



Idaho Department of
Environmental Quality
Boise Regional Office
1445 N. Orchard
Boise, ID 83706
(208) 373-0550

www.deq.idaho.gov

Idaho Department of Environmental Quality in conjunction with the Idaho Department of Transportation

Fact Sheet: Stage 1 Vapor Collection Grant Program

The Ozone Issue

Ozone is an odorless, colorless gas that forms in the atmosphere, primarily during the summer. Ozone is not emitted directly into the air, but is created by a chemical reaction between oxides of nitrogen (NO_x) and volatile organic compounds (VOCs) in the presence of heat and strong sunlight.

Ozone has been an ongoing concern in the Treasure Valley. The valley experiences hot, sunny summers, which provide the ideal setting for the formation of ground-level ozone. The pollutants that cause ozone come from gasoline vapors, motor vehicle exhaust, industrial emissions, chemical solvent, and vegetation.

The federal government lowered the national ambient air quality standard for ozone this year. Installation and operation of Stage 1 vapor collection equipment will reduce VOC emissions by over 1,000 tons per year. Because VOCs are the major contributor to ozone formation, such a reduction should reduce ozone in the ambient air and potentially lower concentrations such that ozone nonattainment may be avoided. IDEQ and ITD are implementing this grant funded program to aid in combating the ozone issue in the Treasure Valley.

General Definition of Stage I Vapor Collection

Stage 1 vapor collection is the process of recovering VOCs that are emitted during the transfer of gasoline from the delivery vehicle into the underground storage tank (UST) holding petroleum products. Vapors in the tank are displaced as the gasoline fills the tank. During Stage 1 vapor collection, the vapors are routed through a hose back into the gasoline cargo tank and are returned to the terminal for processing. This process prevents venting the gasoline vapors directly into the atmosphere.

The Process

Once you have decided to install Stage I vapor collection equipment, here are the steps for a successful reimbursement.

1. Determine eligibility.
2. Fill out the Initial Registration Form and the a W-9 form and submit to DEQ.
3. Have the tank(s) retrofitted for Stage I vapor collection within 30 days of submitting the Initial Registration Form.
4. Apply for reimbursement by completing the Application for Reimbursement Form and submit to DEQ.

Forms and eligibility requirements can be obtained by calling the Boise Regional Office (373-0550) or online at www.deq.idaho.gov.

Forms should be submitted to: Idaho Department of Environmental Quality
Boise Regional Office
Attn: Leonard Herr
1445 North Orchard
Boise, Idaho 83706

NOTE: Funding Restrictions

Congestion Mitigation and Air Quality (CMAQ) funding is prohibited for the use of federal requirements. (TEA-21, Public Law 95-198, June 9, 1998)

Funding is not available if any of the following are true:

- Gasoline Dispensing Facilities (GDFs) with tank throughputs of 100,000 gallons per month or more.
- Gasoline delivery vessels that dispense gasoline to a GDF that has greater than 100,000 gallons of throughput per month.

Frequently Asked Questions

How do I know if I am eligible for reimbursement?

- You are *not* eligible for reimbursement if your facility has a monthly throughput of 100,000 gallons or more. Tanks of this size are subject to NESHAP 40 C.F.R. 63.11118, which already require stage 1 vapor collection, and are not eligible for this funding opportunity 23 U.S.C 149 (e)(5).
- You are eligible to request a 50% reimbursement up to \$2,500 for each eligible tank, for costs associated with installing stage 1 vapor collection equipment on your underground gasoline storage tanks at your GDF location if the following are true:
 - You own one or more existing underground storage tanks (UST) within Ada or Canyon County. Tanks with a capacity of 10,000 gallons or greater shall be given funding priority.
 - You plan on or have already installed stage I vapor collection within 30 days of submission of initial registration.
 - The equipment meets all required specifications and certifications.
- You are eligible to request a 50% reimbursement up to \$2,500 per gasoline cargo tank for costs associated with installing stage 1 vapor collection equipment on your existing gasoline cargo tank if the following are true:
 - Your gasoline cargo tank is used to deliver gasoline into underground gasoline storage tanks that have less than 100,000 gallons throughput per month.
 - You plan on or have already installed stage I vapor collection within 30 days of submission of initial registration.
 - The equipment meets all required specifications and certifications.

Who must install Stage I Vapor Collection and when?

All gasoline dispensing facilities (GDFs) in Ada or Canyon County that own one or more USTs with a tank capacity of 10,000 gallons or greater and not otherwise subject to 40 C.F.R. 63.11118 will have to implement a Stage 1 vapor collection program by May 1, 2010. New sources must comply with this rule effective April 1, 2009. This includes USTs and associated equipment components in vapor or liquid gasoline services at new, reconstructed, or existing GDFs such as, pressure/vacuum vents on underground gasoline storage tanks and the equipment necessary to unload product from cargo tanks into the storage tanks at GDFs. No gasoline dispensing facility subject to this regulation may receive gasoline if it is not equipped with a Stage I vapor collection system after May 1, 2010. Any GDF with a vapor recovery system installed must use this system during gasoline deliveries after April 1, 2009.

Where do I find the forms?

The registration and reimbursement forms are located on the Idaho Department of Environmental Quality website. You can access them with the following link: www.deq.idaho.gov. You can also call DEQ and request the forms at 208-373-0550, or pick them up in person at the DEQ Boise Regional Office located at 1445 North Orchard in Boise.

How do I ensure my reimbursement?

If you meet the eligibility requirements and complete and submit the appropriate forms, you will have 30 days to properly install a Stage I vapor collection system. Failure to comply may result in the removal of your application from the front of the line and subsequently placed in the back of the line. This ensures that all GDFs have an opportunity to obtain a reimbursement. Vapor recovery installations that occur before April 30th, 2009 will receive priority for funding.